

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051440

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H05K7/14 G06F13/40 G06F13/40 H05K7/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	US 6 437 660 B1 (SULLIVAN ROBERT C) 20 August 2002 (2002-08-20) column 1, lines 13-24 column 3, lines 22-27 column 4, lines 21-30; figures 3,4	1
A	US 6 239 985 B1 (FERAUD JACQUES ET AL) 29 May 2001 (2001-05-29) column 2, line 60 - column 3, line 54; figures 1,2	1
A	US 5 930 119 A (BERDING ANDREW R) 27 July 1999 (1999-07-27) column 3, lines 45-50 column 4, lines 7-18; figures 1-4	1

☐ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex.

* Special categories of cited documents.

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

& document member of the same patent family

Date of the actual completion of the international search

24 January 2005

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31/01/2005

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Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6437660	B1	20-08-2002	NONE	
US 6239985	B1	29-05-2001	NONE	
US 5930119	A	27-07-1999	AU 3309799 A	15-09-1999
			CA 2322151 A1	02-09-1999
			EP 1060644 A2	20-12-2000
			JP 2003524288 T	12-08-2003
			WO 9944400 A2	02-09-1999